

WHAT ARE CLAIMED ARE:

1. A singing voice synthesizing apparatus, comprising:
 - a singing voice information input device that inputs singing voice information for synthesizing singing voice;
 - 5 a phoneme database that stores voice synthesis unit data;
 - a selector that selects the voice synthesis unit data stored in the phoneme database in accordance with the singing voice information;
 - a timbre transformation parameter input device that inputs a timbre transformation parameter for transforming timbre; and
 - 10 a singing voice synthesizer that generates a synthetic singing voice of which character is changed by transforming the voice synthesis unit data in accordance with the timbre transformation parameter.
2. A singing voice synthesizing apparatus according to claim 1,
 - 15 further comprising a characteristic parameter output device that derives a characteristic parameter from the voice synthesis unit data selected by the selector and outputs the derived characteristic parameter, and wherein
 - the singing voice synthesizer corrects the characteristic
 - 20 parameter in accordance with the timbre transformation parameter.
3. A singing voice synthesizing apparatus according to claim 1, wherein the singing voice synthesizer adjusts a spectrum envelope generated based on the selected voice synthesis unit data in
25 accordance with the timbre transformation parameter.

4. A singing voice synthesizing apparatus according to claim 1, wherein the timbre transformation parameter input device comprises a timbre transformation parameter adjuster that changes the timbre transformation parameter in a time axis.

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5. A singing voice synthesizing method, comprising the steps of:
inputting singing voice information for synthesizing singing voice;

storing voice synthesis unit data into a phoneme database in advance and selecting the voice synthesis unit data stored in the phoneme database in accordance with the singing voice information;

inputting a timbre transformation parameter for transforming a timbre; and

generating a synthetic singing voice of which character is changed by transforming the voice synthesis unit data in accordance with the timbre transformation parameter.

6. A singing voice synthesizing program which a computer can execute, the program comprising the instructions of:

20 inputting singing voice information for synthesizing singing voice;

storing voice synthesis unit data into a phoneme database in advance and selecting the voice synthesis unit data stored in the phoneme database in accordance with the singing voice information;

inputting a timbre transformation parameter for transforming timbre; and

generating a synthetic singing voice of which character is

changed by transforming the voice synthesis unit data in accordance with the timbre transformation parameter.